

S/N 09/594083

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Max Copperman et al.

Examiner: Sana Al-Hashemi

Serial No.: 09/594083

Group Art Unit: 2171

Filed: June 15, 2000

Docket: 1546.001US1

Title: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE
MANAGEMENT SYSTEM

PETITION TO WITHDRAW HOLDING OF ABANDONMENT UNDER 37 CFR 1.181

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Mail Stop Issue Fee
Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

NOV 21 2003

Technology Center 2100

A Notice of Abandonment mailed October 22, 2003 for the above-identified patent application was received by our office October 27, 2003. The Notice alleges that Applicant failed to respond to the Notice of Drawings Requirements mailed on July 11, 2003. The Notice set forth a two-month period of response, which expired on September 11, 2003.

However, Applicant filed a response to the Notice of Drawings Requirements on September 11, 2003 with a Certificate of Mailing reflecting the same. In return, Applicant received a PTO-stamped postcard acknowledging receipt of the Response on September 20, 2003. A copy of the timely filed Response to Notice Regarding Drawings and the PTO-stamped postcard are attached as Exhibits A and B, respectively. This evidence indicates that the timely filed response was lost after being received by the U. S. Patent and Trademark Office.

Thus, there is no action or omission by Applicant to support a holding that the above-identified application was or is abandoned. Accordingly, the abandonment holding should be withdrawn and prosecution resumed as soon as possible.

PETITION TO WITHDRAW HOLDING OF ABANDONMENT

Serial Number: 09/594083

Filing Date: June 15, 2000

Title: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM

Page 2

Dkt: 1546.001US1

Lastly, it is Applicant's understanding that no fee is required for a petition to withdraw a holding of abandonment. (See MPEP 711.03(c).) Thus, no fee is enclosed. However, if a fee is required, please charge it to Deposit Account No. 19-0743.

Respectfully submitted,

MAX COPPERMAN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6951

Date Nov. 13, 2003 By 

Suneel Arora

Reg. No. 42,267

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-1450 on this 13 day of November, 2003.

Name

Gina M. Uphus


Signature



Exhibit A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Max Copperman et al.

Title: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM

Docket No.: 1546.001US1

Serial No.: 09/594083

Filed: June 15, 2000

Due Date: September 11, 2003

Examiner: Sana Al-Hashemi

Group Art Unit: 2171

Attn: Mail Stop Missing Parts

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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We are transmitting herewith the attached:

- ☒ A return postcard
- ☒ Communication Re: Corrected Drawings (1 pg)
- ☒ Notice Regarding Drawings (1pg)
- ☒ Formal Drawings (29 pgs)

If not provided for in a separate paper filed herewith, please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer No: 21186

By: 

Name: Suneel Arora

Reg. No. 42,267

SA:CMG:jds

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Mail Stop Missing Parts, P.O. Box 1450, Commissioner for Patents, Alexandria, VA 22313-1450, on this 11 day of September, 2003.

Jason D. Smith

Name

Signature: 



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1546.00 / US1



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09 594,083	6/15/00	May	07569-003

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402Examiner
AL HASHEMI
Art Unit
271
Paper Number
16Date Mailed:
7/11/03

Notice Regarding Drawings

D 11 SEP. 2003

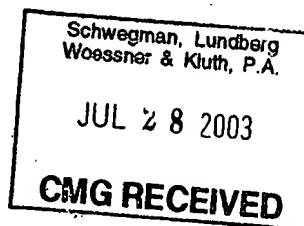
Corrected drawings for the above-identified application, received in the USPTO on 4/15/00 are still not acceptable for the reason(s) identified on the attached PTO-948. Applicant is given one opportunity to correct the informalities within a two month time period from the mailing date of this Notice. **THIS TIME PERIOD IS NOT EXTENDABLE UNDER EITHER 37 CFR 1.136(a) OR 1.136(b).** Failure to take corrective action within the set period will result in abandonment of the application.

ATTACHMENT: PTO-948 Notice of Draftsperson's Patent Drawing Review

RETURN CORRECTED DRAWINGS TO:

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Bridget B. Gray
Office of Patent Publication,
Publishing Division
703-305-8404

PORTFOLIO I.P.



JUL 21 2003

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Exhibit B

COPY

Receipt is hereby acknowledged for the following in the United States Patent and Trademark Office:

In re application of Max Copperman et al.

Serial No. 09/594083

Filed: June 15, 2000

Title: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE
MANAGEMENT SYSTEM

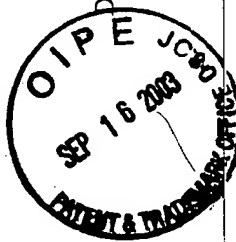
CONTENTS: Copy of Notice Regarding Drawings (1pg), Communication Re:
Corrected Drawings (1 pg), Formal Drawings (29 pgs), and transmittal document (1
pg)

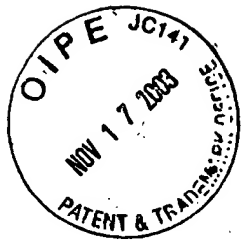
SA:CMG:jds

Mailed: September 11, 2003

Docket: 1546.001US1

Due date: September 11, 2003





09/594,083

TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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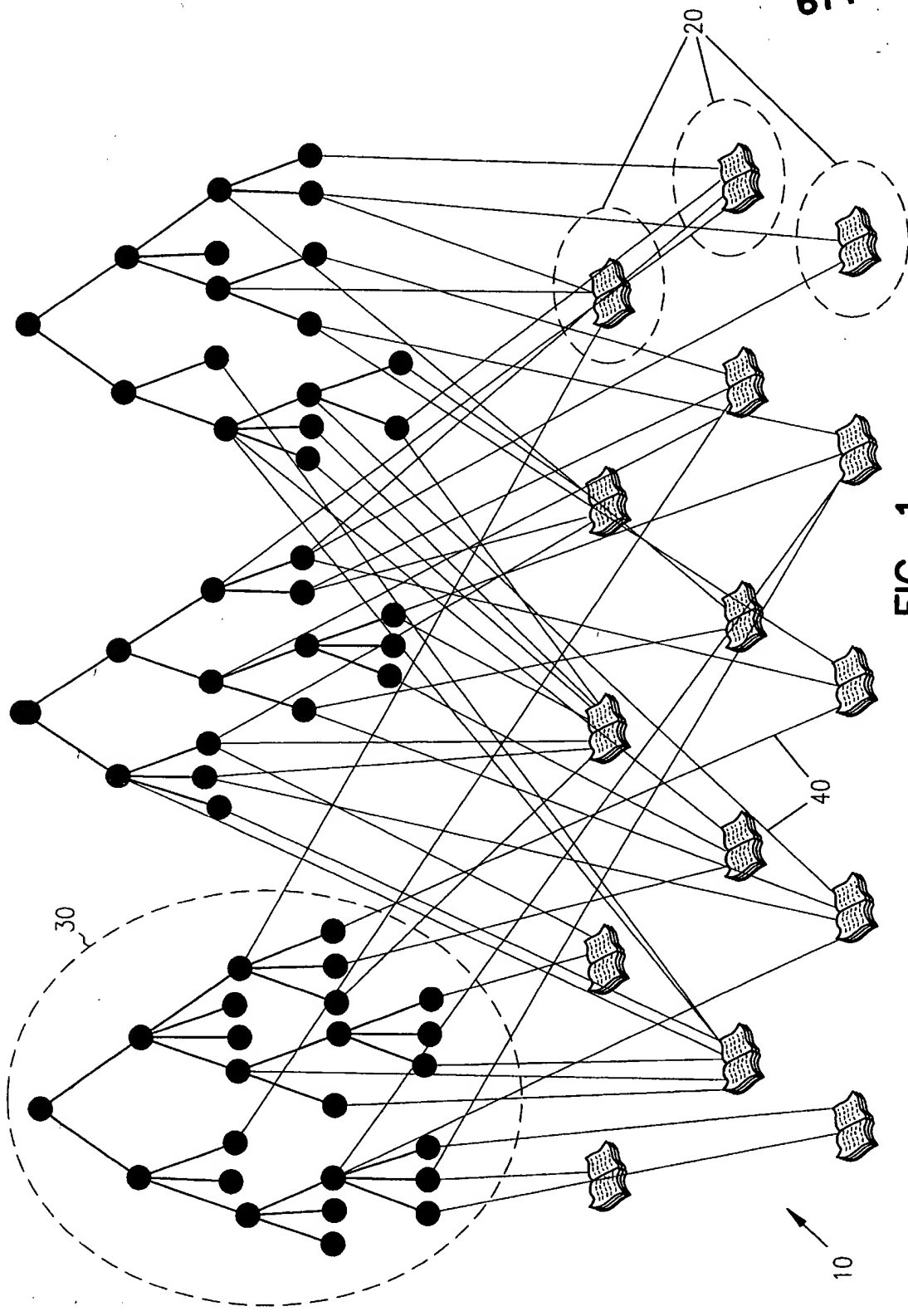
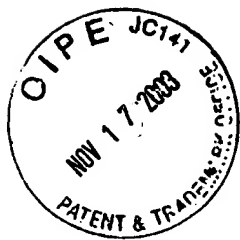


FIG. 1



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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A Knowledge Container

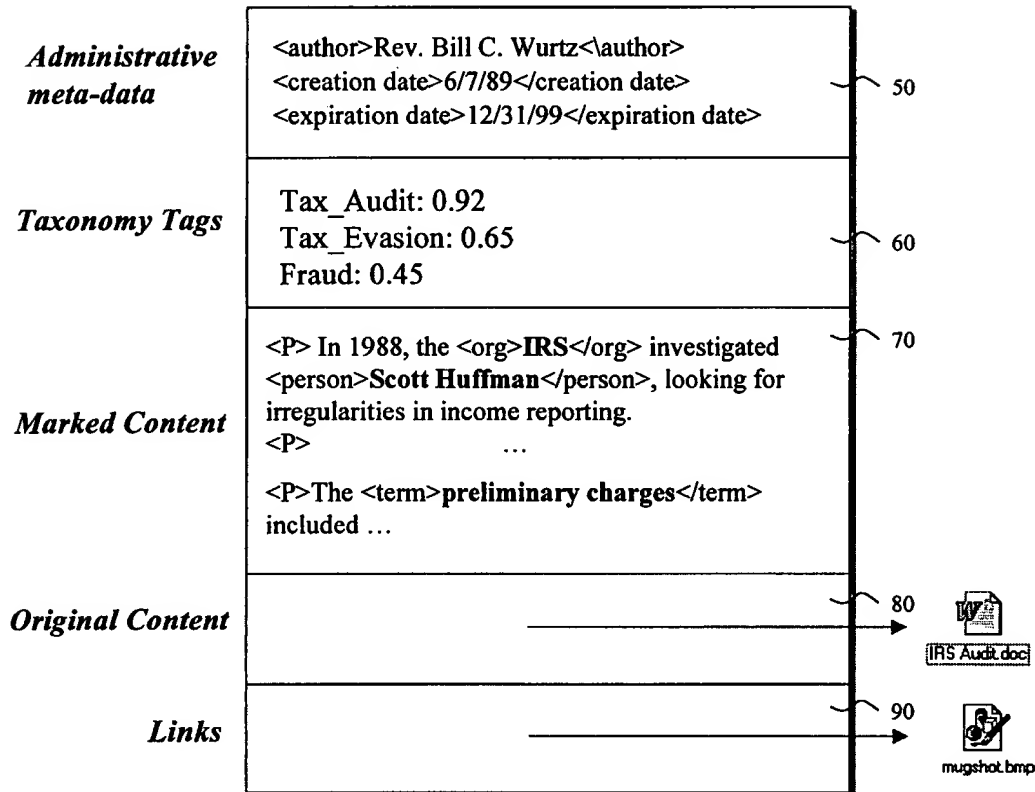


FIG. 2

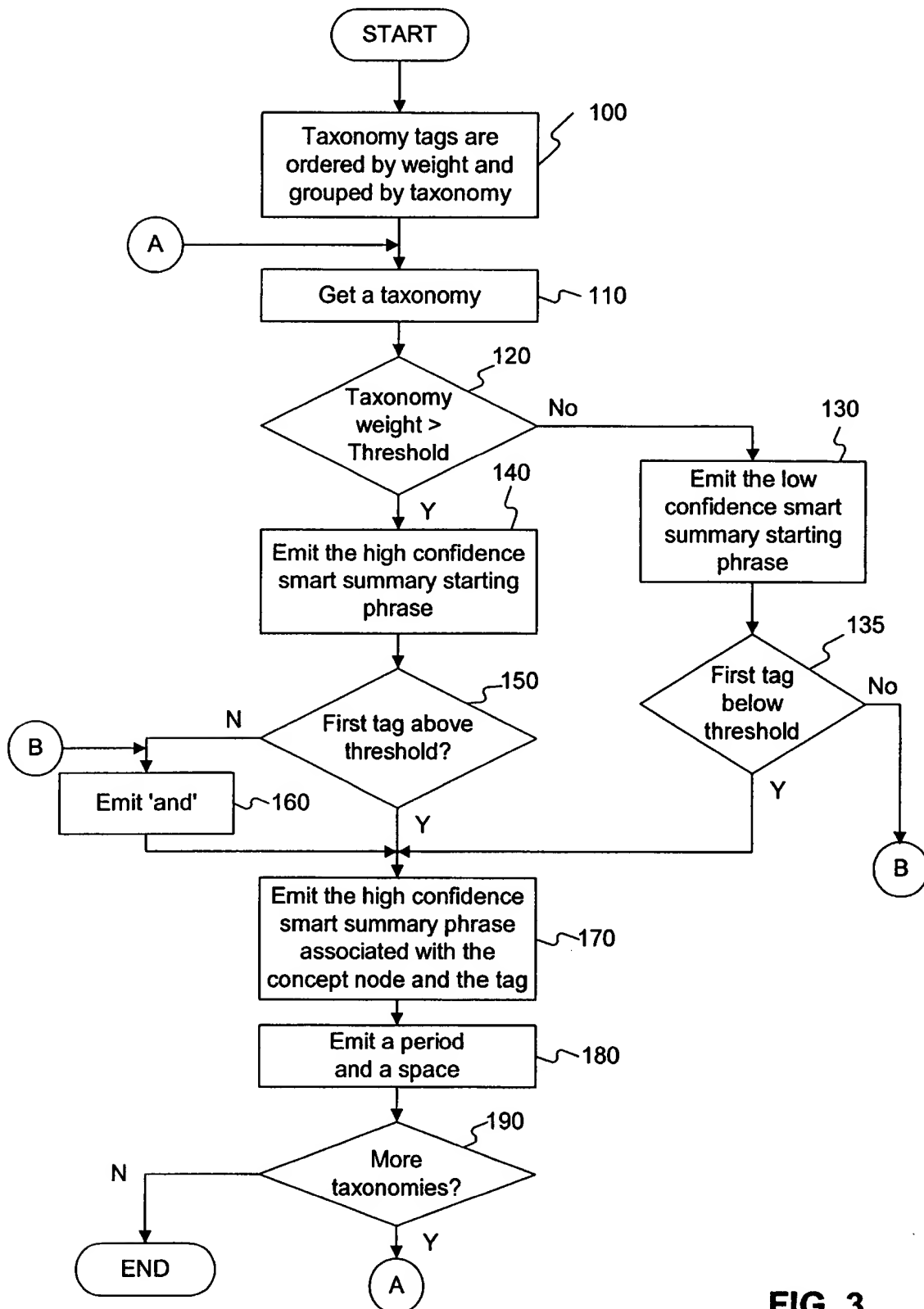
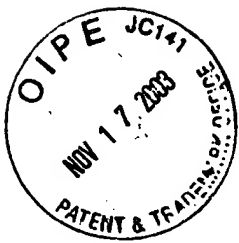
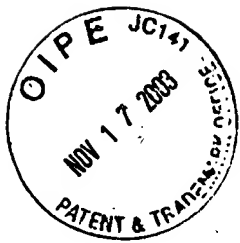


FIG. 3



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
 INVENTORS NAME: Max Copperman et al.
 DOCKET NO.: 1546.001US1

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Representative Taxonomy showing Types of Vehicles

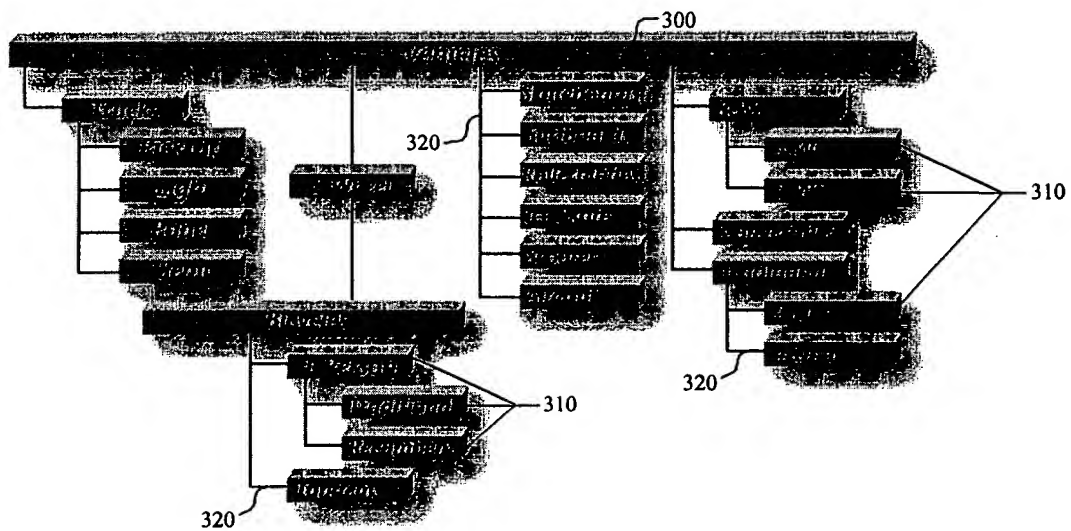
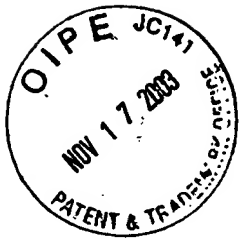


FIG. 4



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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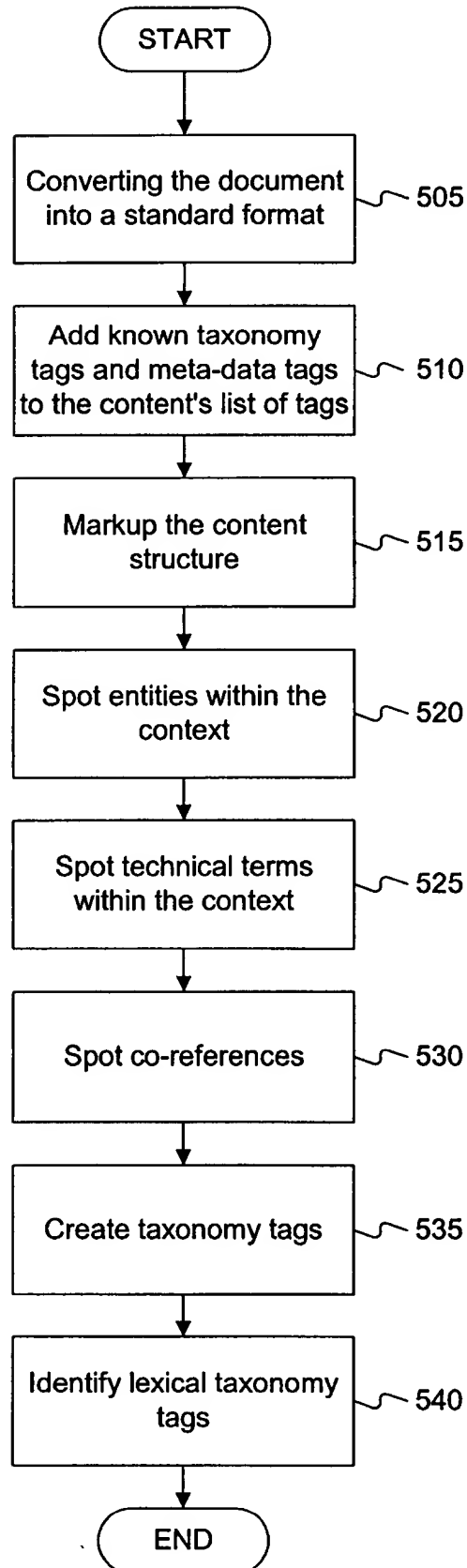
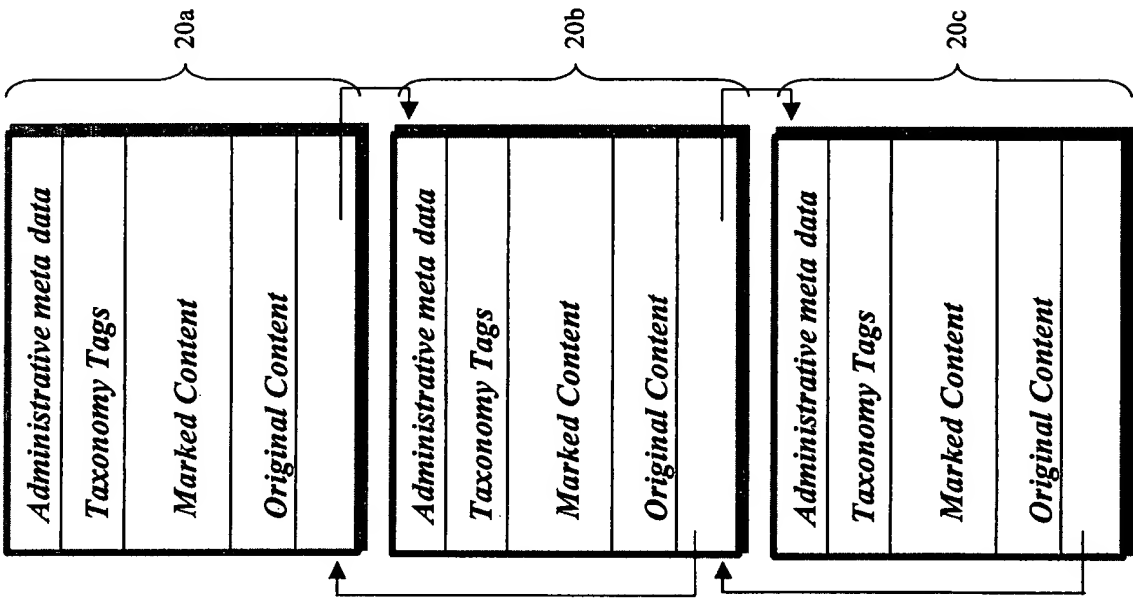
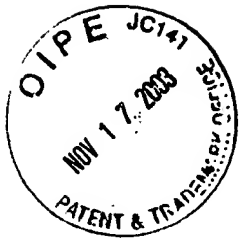
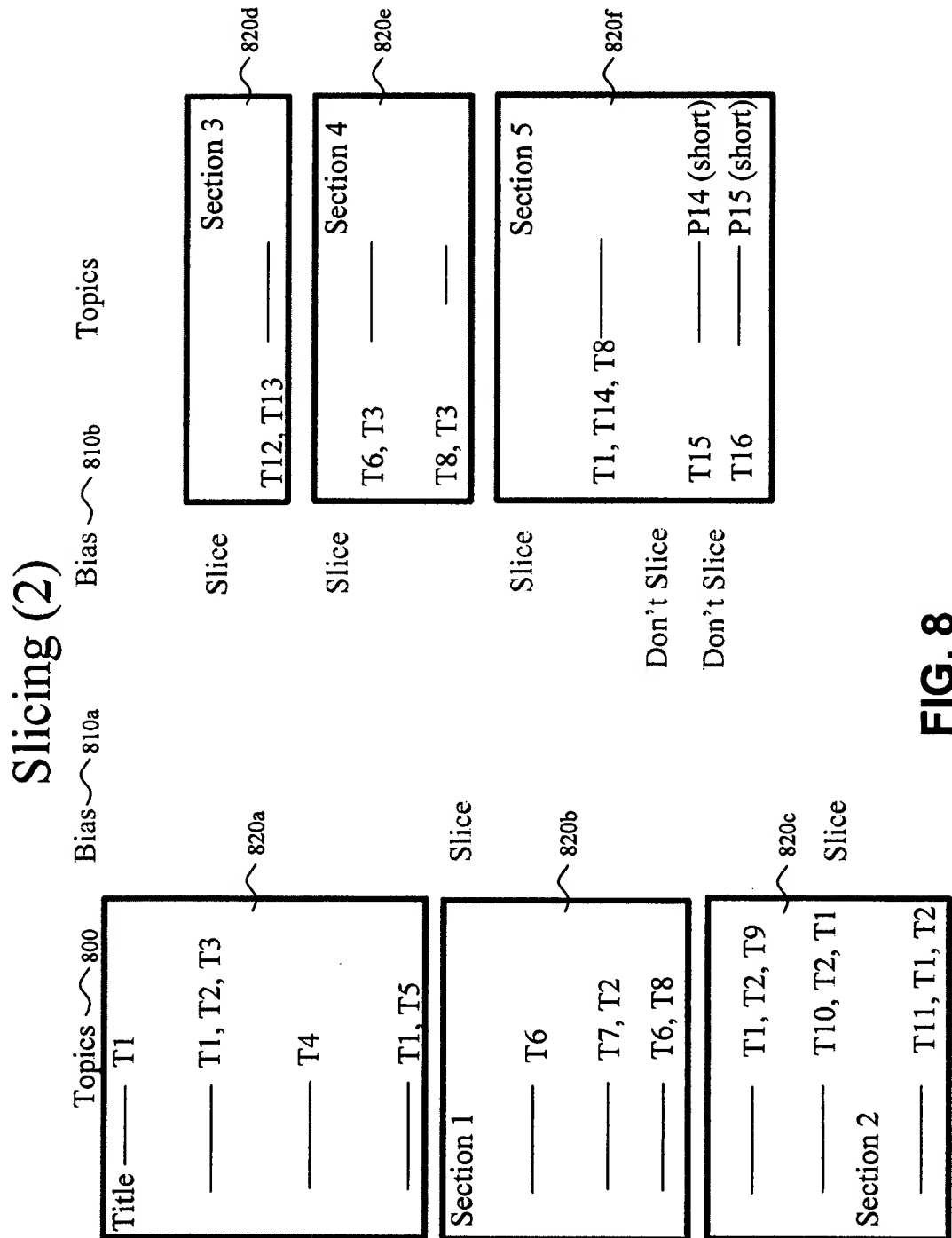
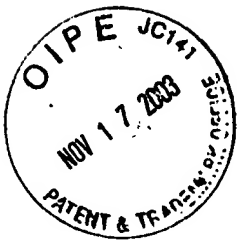


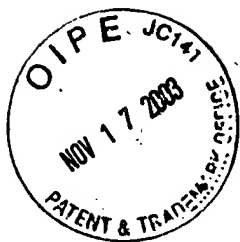
FIG. 5



Slice Representation

FIG. 6





TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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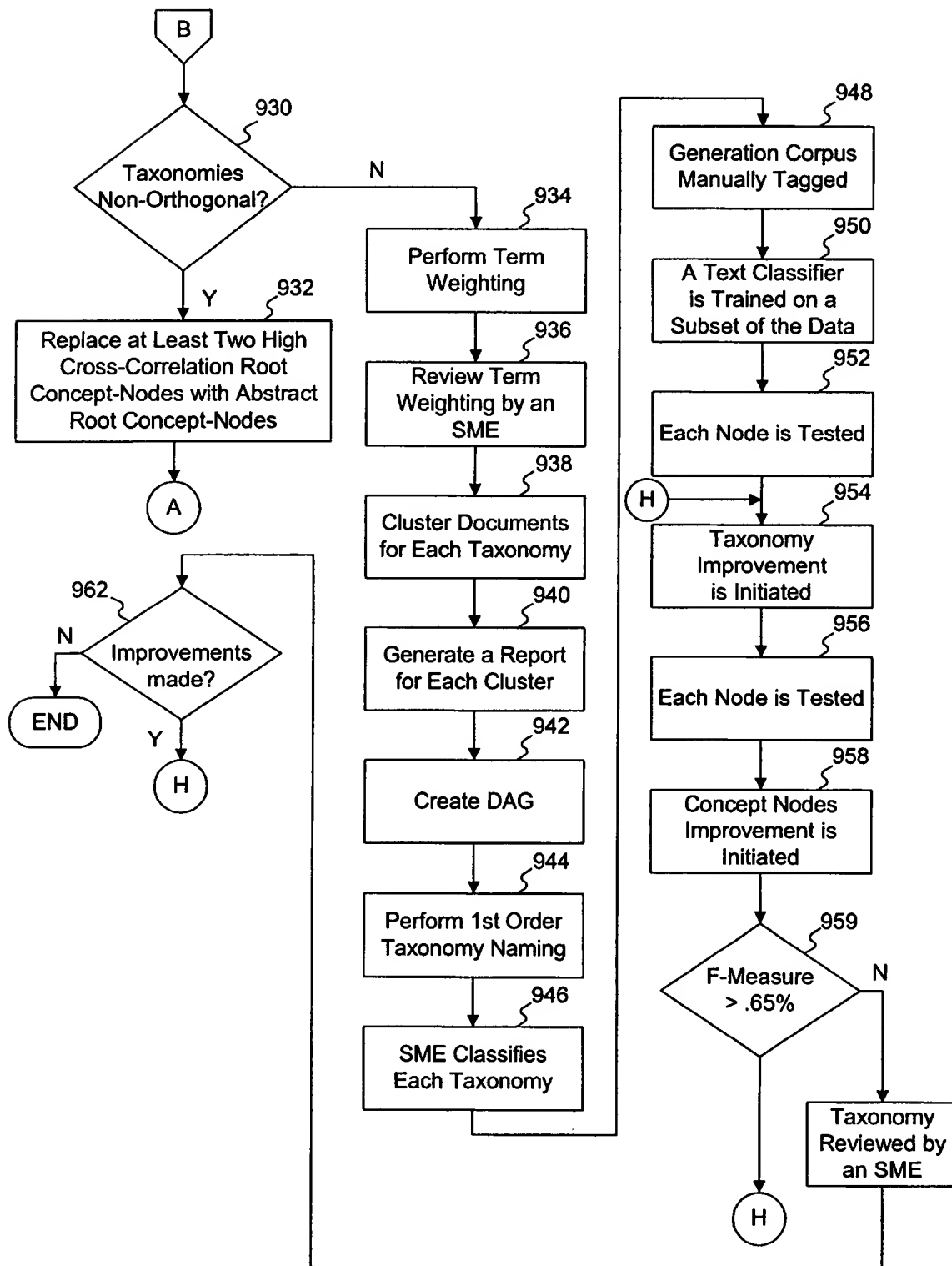


FIG. 9b



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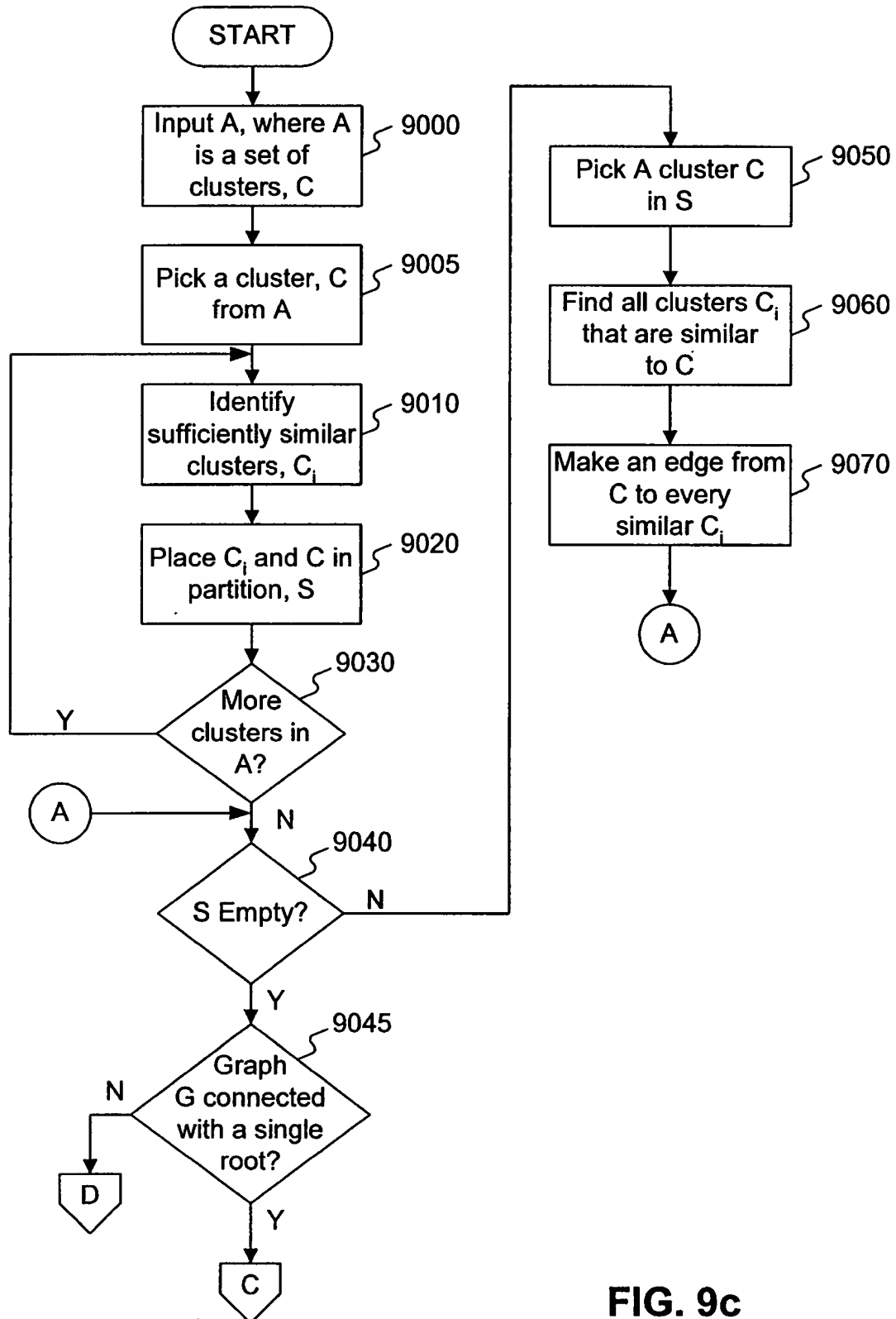
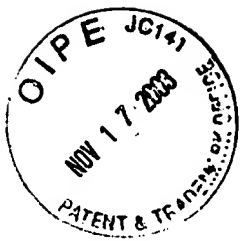


FIG. 9c



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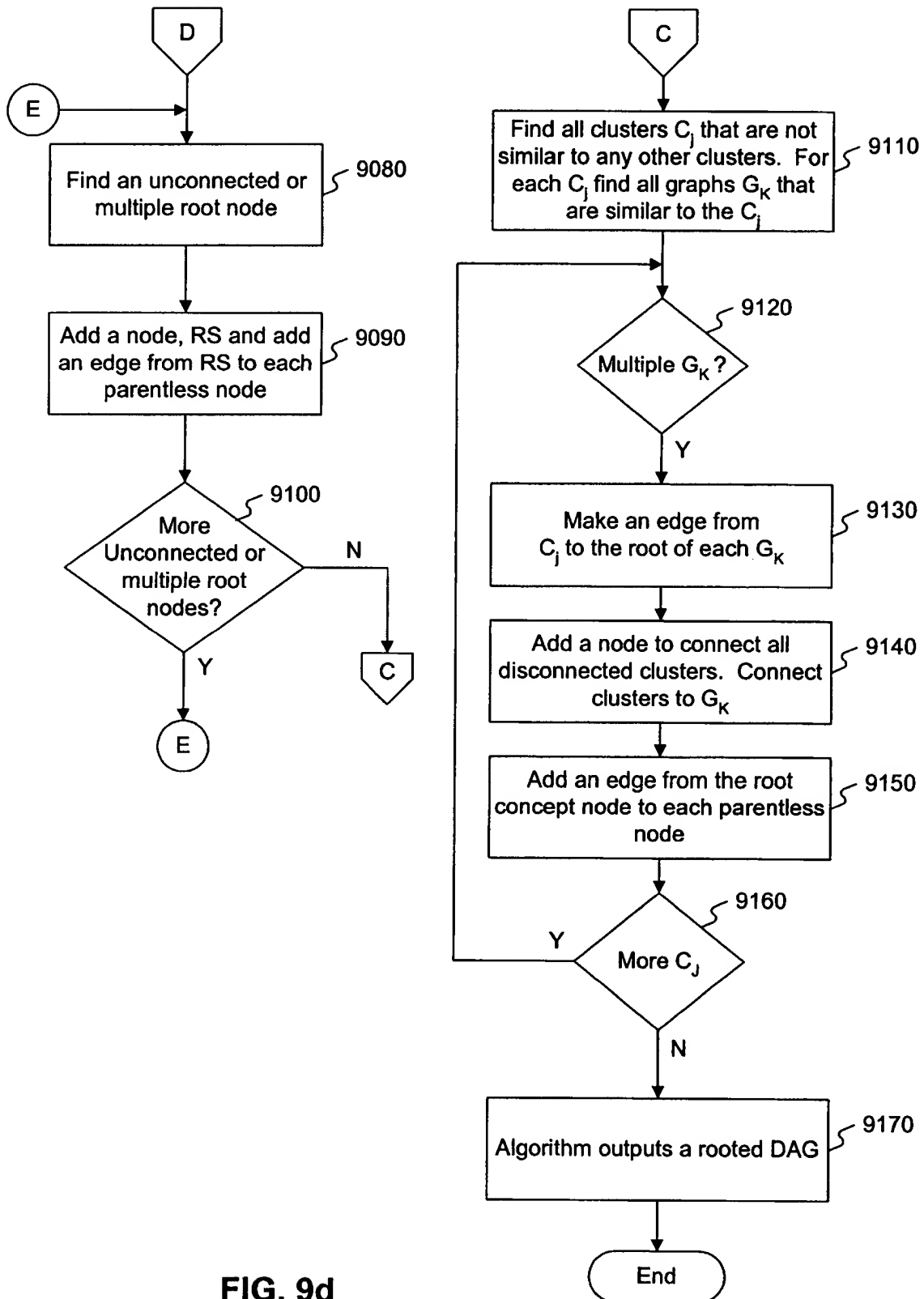
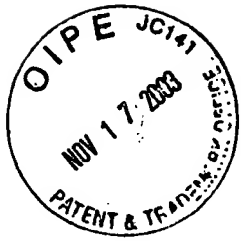


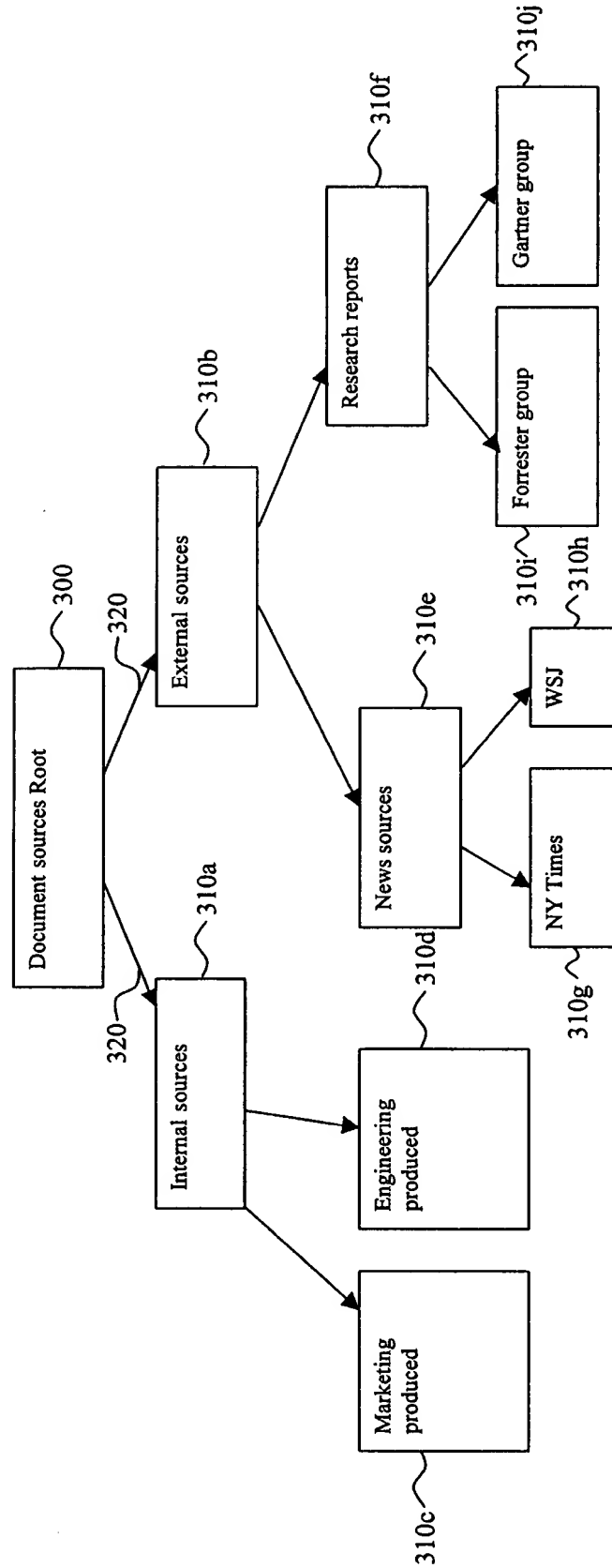
FIG. 9d



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

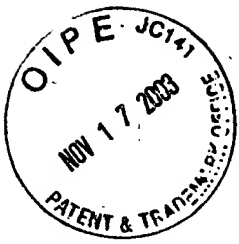
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A Taxonomy of Document Sources



30a

FIG. 10



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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Audience Taxonomy

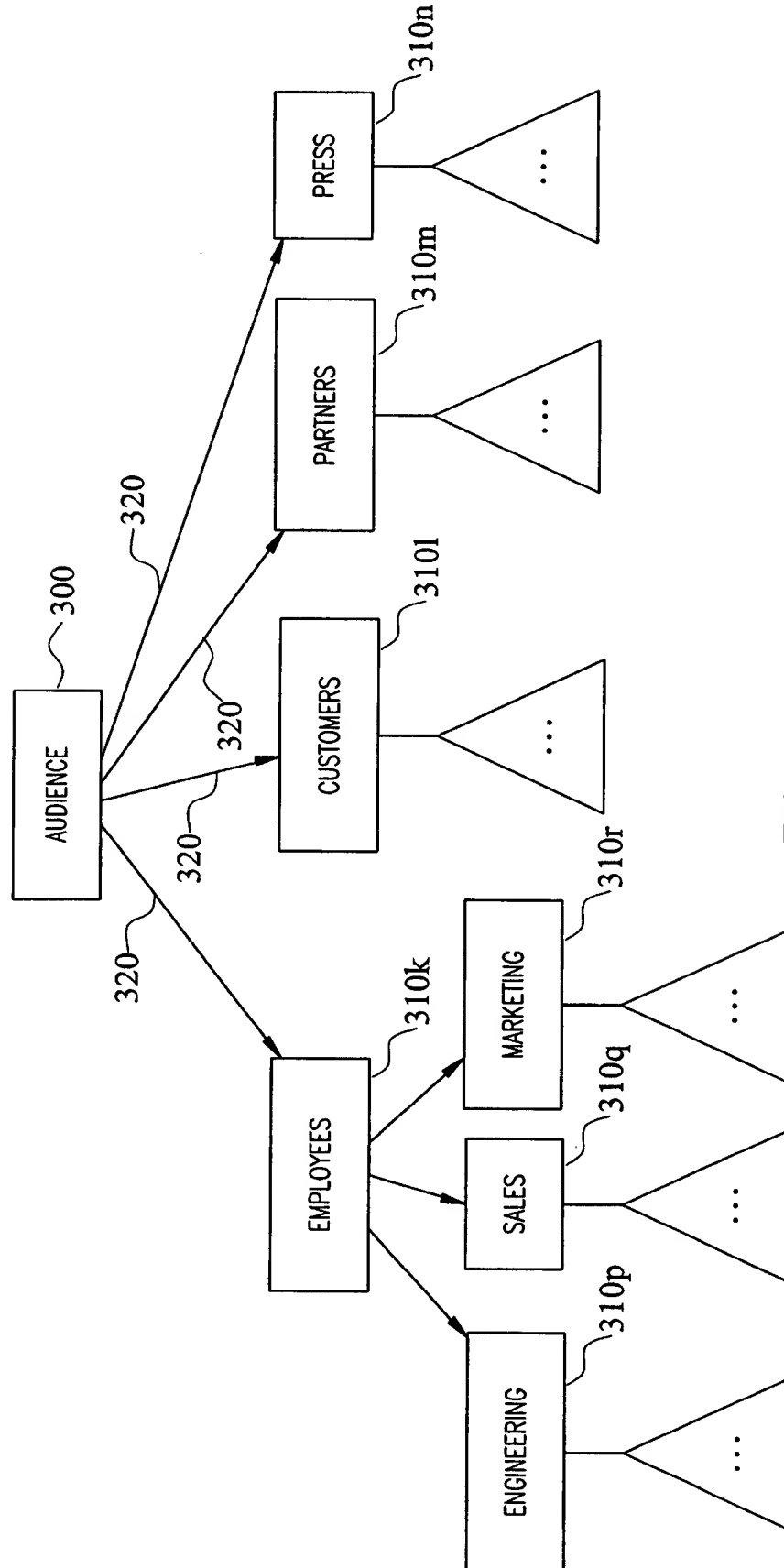
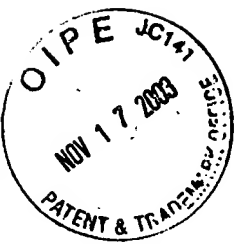


FIG. 11



Index Preparation---Step 1

For each node:

Make a "node document" which is the concatenation of all documents tagged to the node (here represented by ●).

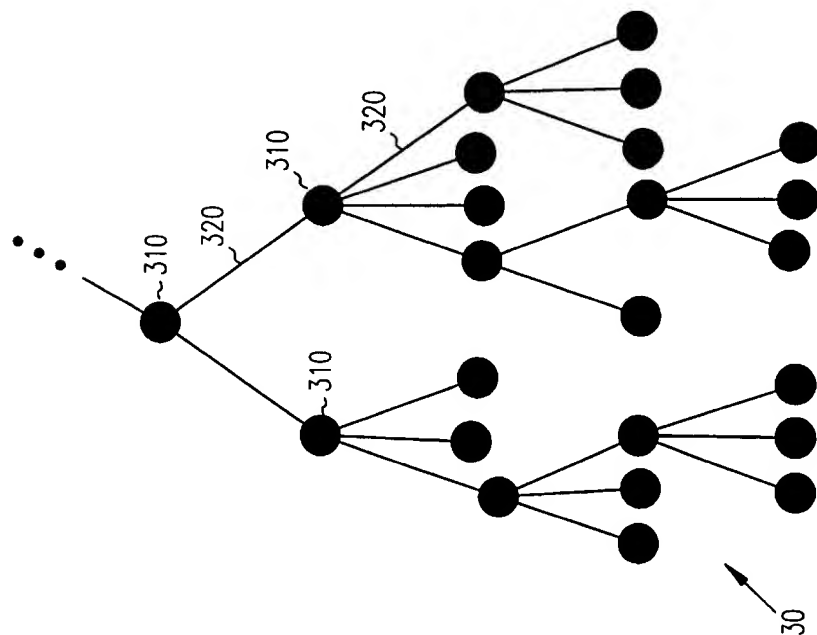
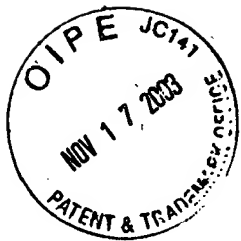






FIG. 12



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Index Preparation---Step 2

Cluster the nodes according to similarity in vocabulary usage in the node-documents. Each lined-pattern represents a cluster.

-  - orange
-  - purple
-  - green
-  - blue

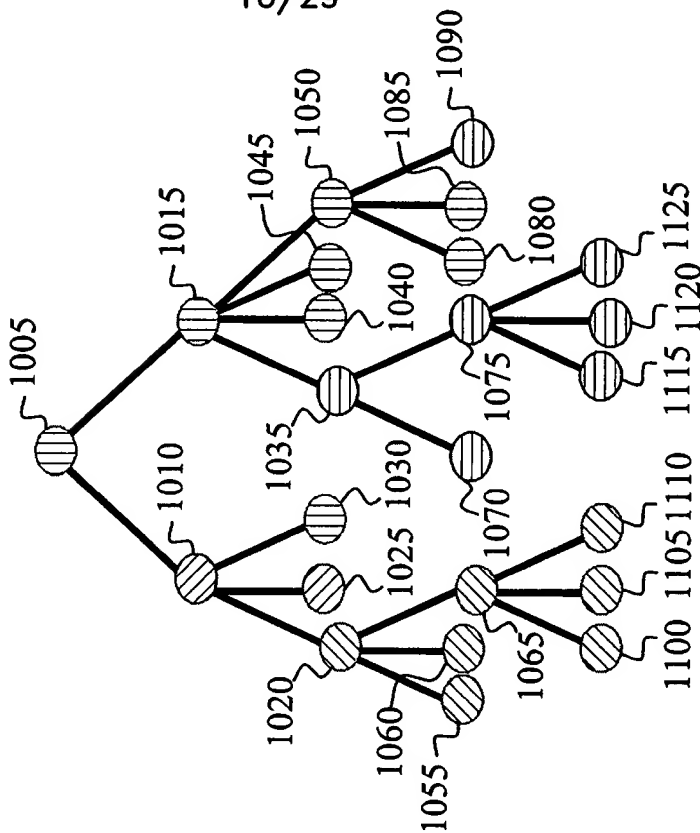






FIG. 13

Index Preparation---Step 3

For each cluster,
 Build an index over the
 documents tagged to nodes
 in the cluster.

-  - orange
-  - purple
-  - green
-  - blue

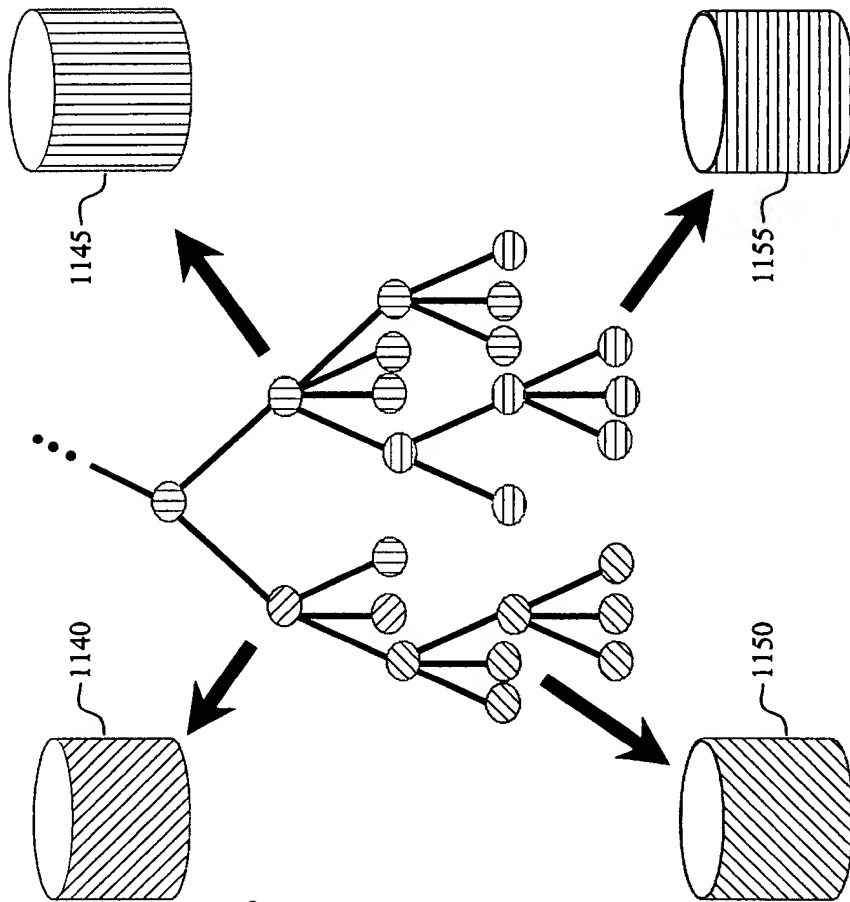
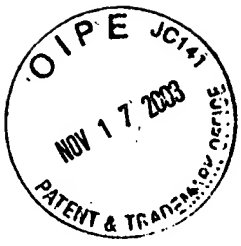


FIG. 14



Region Designation: Marking

Identify nodes within distance D of a number N of query taxonomy tags. A node so identified is a *marked* node. Illustratively, here D is one and N is two.

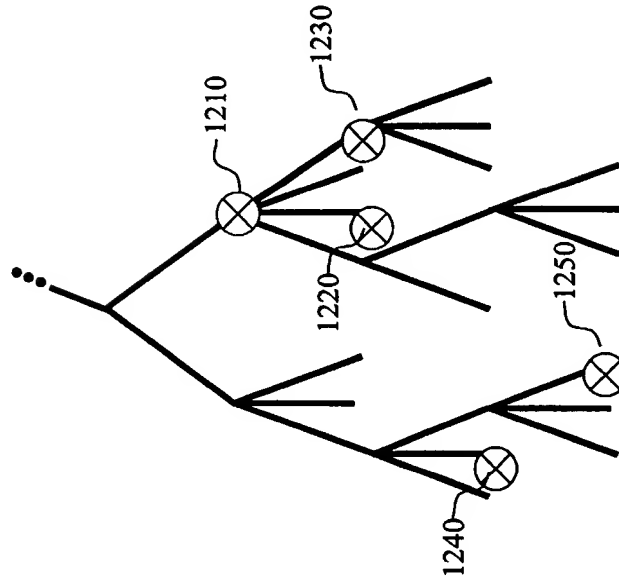


FIG. 15



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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Region Designation: Smoothing

Optionally, identify nodes within distance 1 of a query taxonomy tag or marked node. A node so identified is a *smoothed* node.

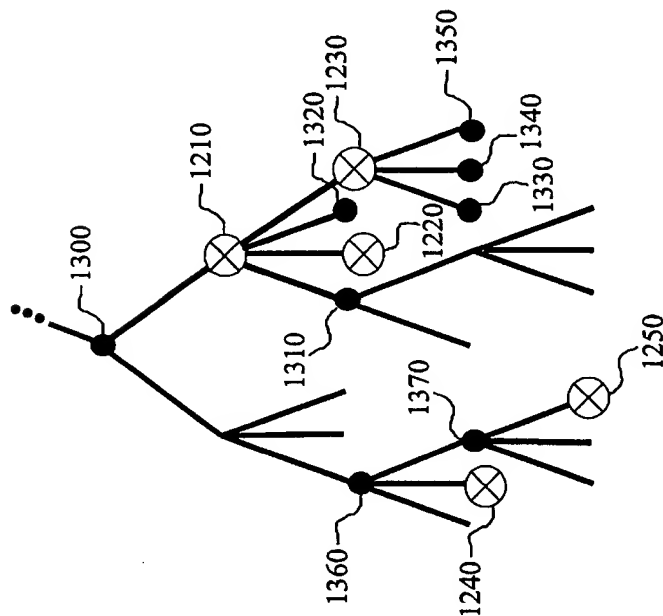


FIG. 16



Region Designation: Aggregation

Identify groups of query taxonomy tags, marked nodes, and smoothed nodes that, transitively, are within distance D' from each other. Illustratively, here D' is one.

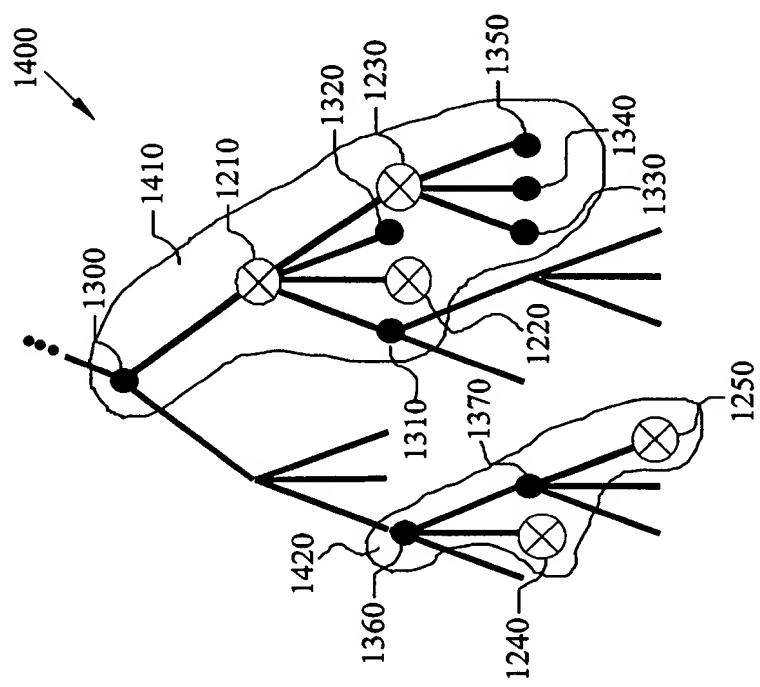
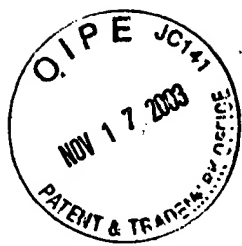


FIG. 17



Search: Index Identification

For each region,
Identify a set of indexes that
covers all of the nodes in the
region.

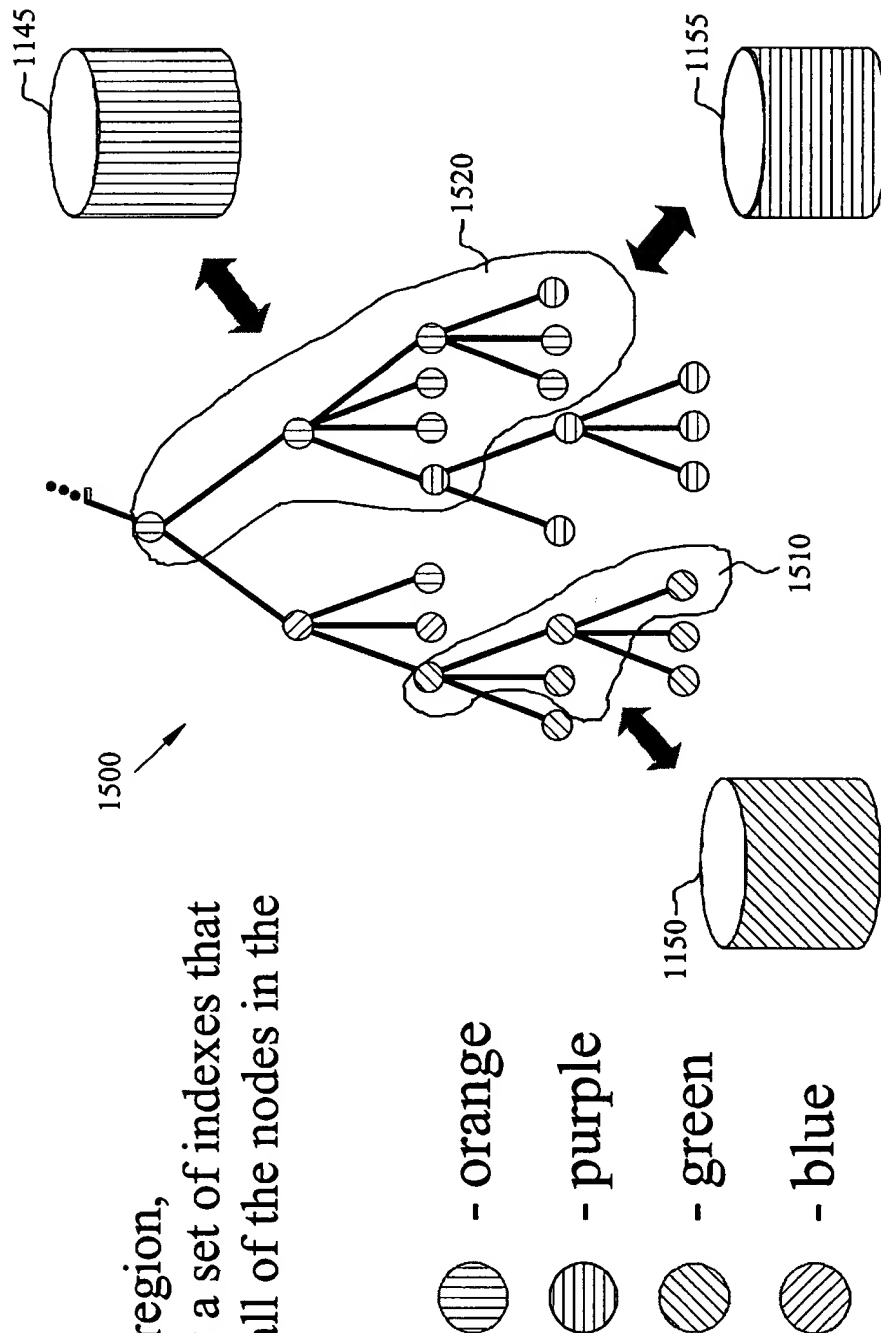


FIG. 18



Ranking: Search Engine Rank

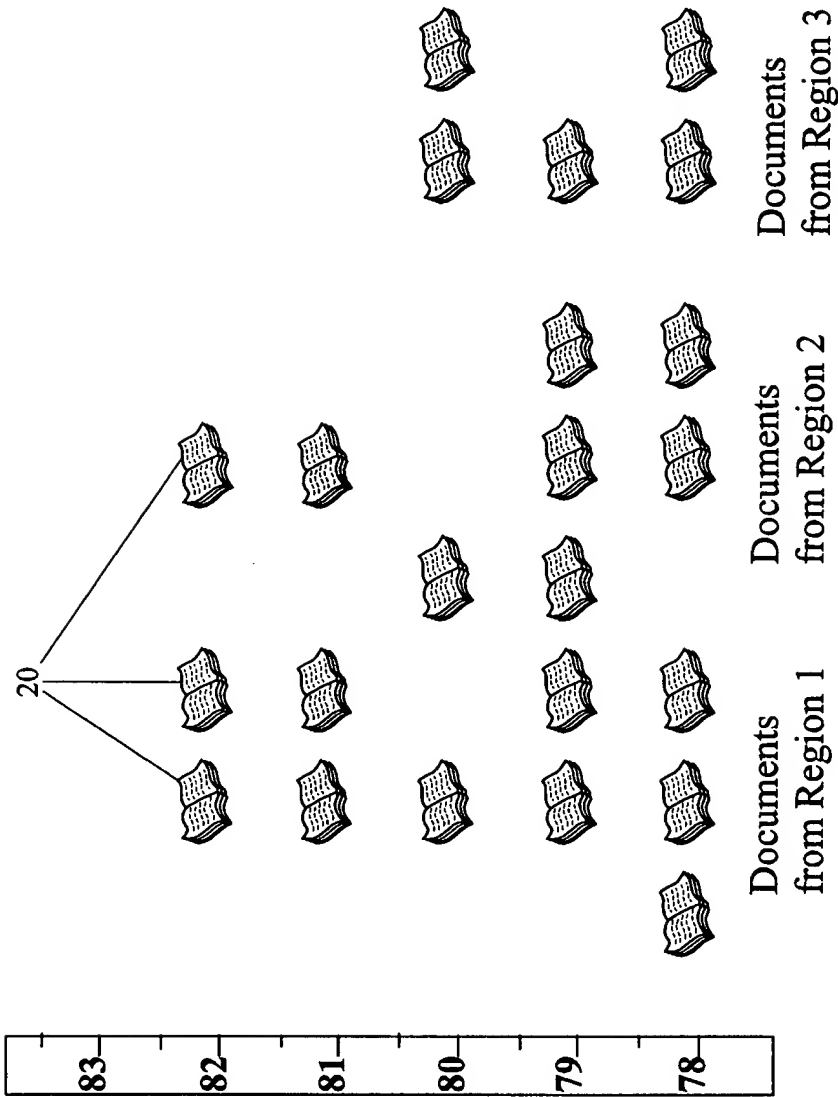
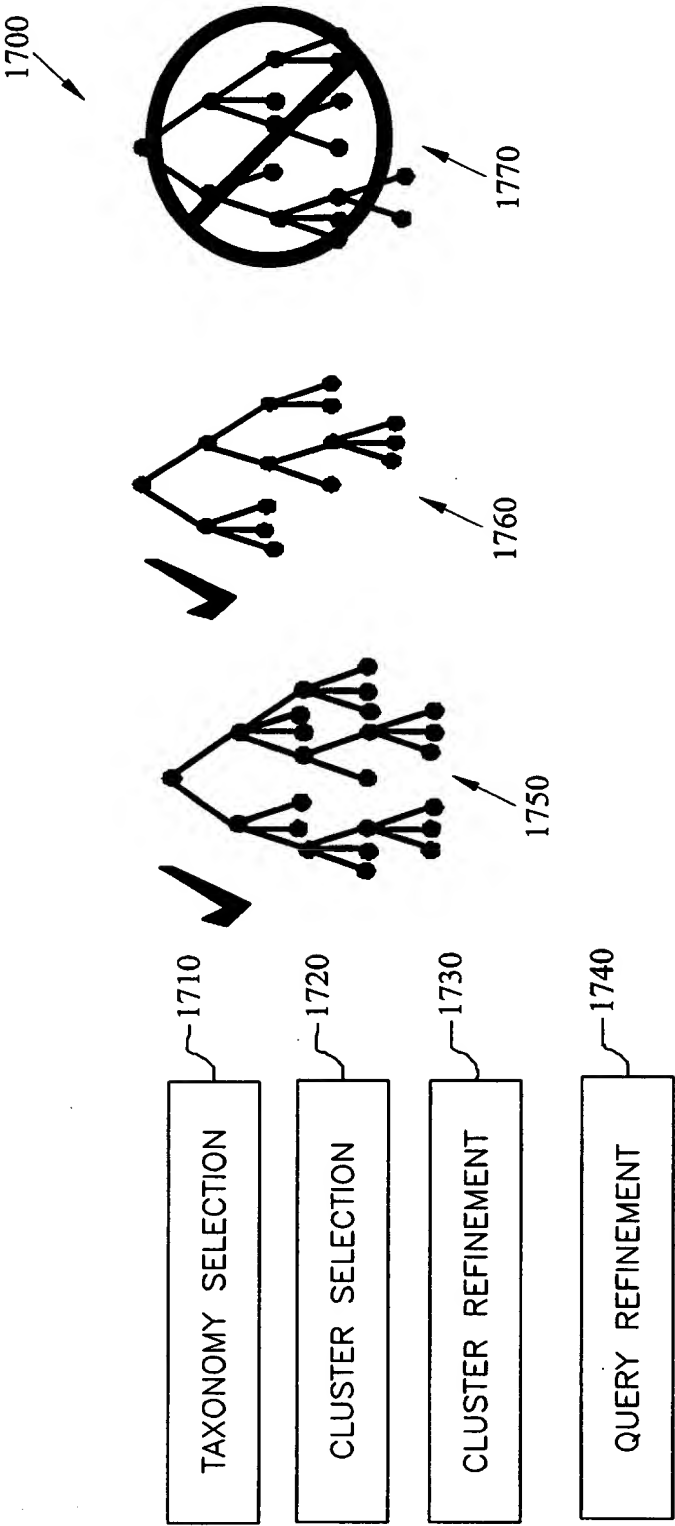


FIG. 19

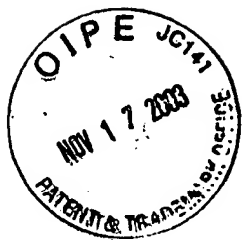


Interactive Dialogue

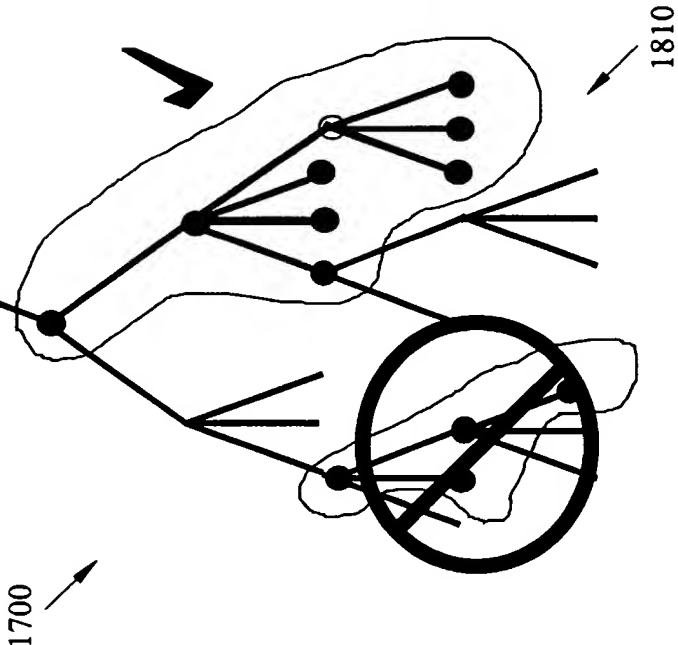


The user can choose among the taxonomies.

FIG. 20



Interactive Dialogue



- 1710 TAXONOMY SELECTION
- 1720 CLUSTER SELECTION
- 1730 CLUSTER REFINEMENT
- 1740 QUERY REFINEMENT

The user can choose among the clusters.

FIG. 21



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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Per-topic statistics - Microsoft Internet Explorer

Address: C:\Cisco\Taxonomies\Validontaxos\CiscoVerticals\VariableTestOnTrain\TrainTopicResults.html

Per-topic statistics

Topic ID	Topic name	# docs	# times topic was returned	# times topic was returned correctly	Precision	Recall	F-measure
v05	Securities	52	50	49	0.98	0.94	0.96
v11	Health Care	42	42	42	1.00	1.00	1.00
v07	Manufacturing	37	38	37	0.97	1.00	0.99
v12	Public Sector	35	35	35	1.00	1.00	1.00
v01	Financial Services Overview	30	29	29	1.00	0.97	0.98
v04	Insurance	30	30	30	1.00	1.00	1.00
v10	Utilities and Energy	28	27	27	1.00	0.96	0.98
v02	Banking (Business-to-Business)	27	27	27	1.00	1.00	1.00
v03	Banking (Business-to-Consumer)	26	26	26	1.00	1.00	1.00
v08	Retail	21	23	21	0.91	1.00	0.95
v09	Service Providers	12	12	12	1.00	1.00	1.00

*** Summary:
Taxonomy has 332 documents.
Documents on average have 1.02 tags
Recall = 0.99
Precision = 0.99
F-measure = 0.99

Test On Train Report 1

FIG. 22



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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Per-document statistics - Microsoft Internet Explorer

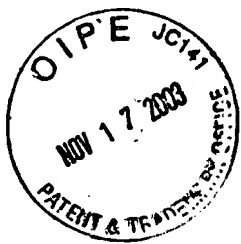
C:\Cisco\Taxonomies\alison\taxos\Cisco\Verticals\VariableTestOnTrain\TestOnTrainDocResults.html

Per-document statistics Variable style

Document	human tags	topic spotter tags	# correct tags returned	Precision	Recall
127sc	v05 (Securities)	v07 (Manufacturing)	0	0.00	0.00
v01s01pn3072088	v01 (Financial Services Overview)	v05 (Securities)	0	0.00	0.00
124security	v05 (Securities)	v08 (Retail)	0	0.00	0.00
18869	v10 (Utilities and Energy)	v08 (Retail)	0	0.00	0.00
sec7	v05 (Securities)	v05 (Securities)	1	1.00	1.00
chcfrake2	v11 (Health Care)	v11 (Health Care)	1	1.00	1.00
126is	v03 (Banking (Business-to-Consumer))	v03 (Banking (Business-to-Consumer))	1	1.00	1.00
1501ake6	v01 (Financial Services)	v01 (Financial Services)	1	1.00	1.00

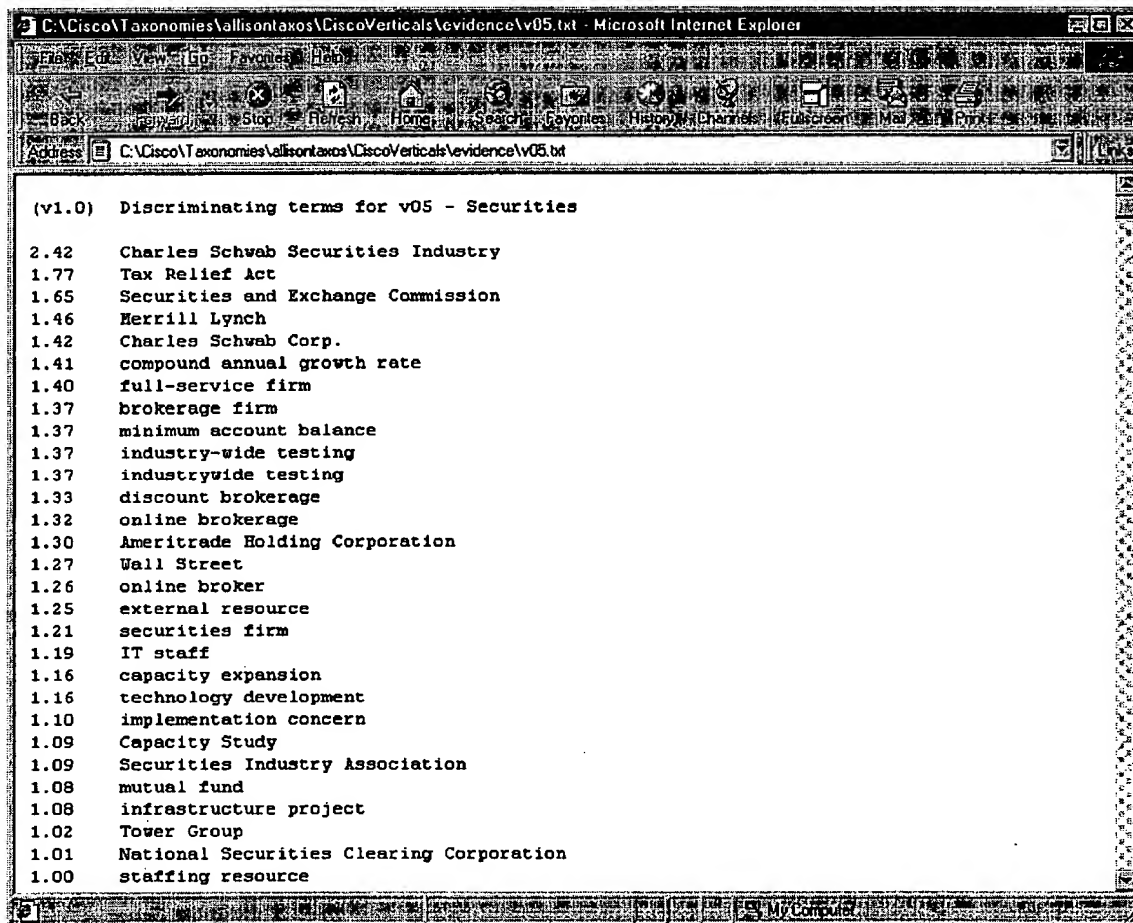
Test On Train Report 2

FIG. 23



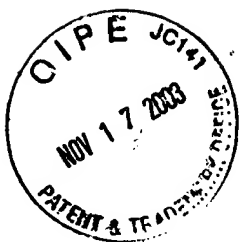
TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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Test On Train Report 3

FIG. 24



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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Documents hand-tagged to the topic - Microsoft Internet Explorer

Address: C:\Cisco\Taxonomies\allison\taxos\Cisco\Verticals\VariableTest\OnTrain\doc_lists\v05_ht.html

Topic: v05 (Securities)
Top terms used by topic spotter:

1. Charles Schwab Securities Industry
2. Tax Relief Act
3. Securities and Exchange Commission
4. Merrill Lynch
5. Charles Schwab Corp.

Document	Classification	Human-assigned tags	Topic spotter tags	Topic spotter scores
sec2		v05	v05 (Securities)	0.25
sec8		v05	v05 (Securities)	0.35
sec9		v05	v05 (Securities)	0.34
502v05etradbaol121798		v05	v05 (Securities)	0.20
sec20		v05	v05 (Securities)	0.27
20544		v05	v05 (Securities)	0.18

Test On Train Report 4

FIG. 25



TITLE: SYSTEM AND METHOD FOR IMPLEMENTING A KNOWLEDGE MANAGEMENT SYSTEM
INVENTORS NAME: Max Copperman et al.
DOCKET NO.: 1546.001US1

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Documents hand-tagged to the topic - Microsoft Internet Explorer

Address: C:\CiscoTaxonomies\allisontaxos\CiscoVerticals\VariableTestOnTrain\doc_list\v05_h.html

i23security		v05	v05 (Securities)	0.18
i24security	should be tagged to v05	v05	v08 (Retail)	0.13
i27sc	should be tagged to v05	v05	v07 (Manufacturing)	0.25
i25security		v05	v05 (Securities)	0.28
v01v03v05s02schwab110998	should be tagged to v05	v01 v03 v05	v03 (Banking (Business-to-Consumer)) v01 (Financial Services Overview)	0.25 0.23
i26security		v05	v05 (Securities)	0.21
i27security		v05	v05 (Securities)	0.21
i28security		v05	v05 (Securities)	0.24
i29security		v05	v05 (Securities)	0.30
sec10		v05	v05 (Securities)	0.32
sec11		v05	v05 (Securities)	0.19

Test On Train Report 5

FIG. 26